

**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:**

Tranter et al.

**Serial No.:** Not Yet Assigned

**Filed:** \_\_\_\_\_

**For:** HIGH CAPACITY ADSORPTION  
MEDIA FOR SEPARATING OR  
REMOVING CONSTITUENTS AND  
METHODS OF PRODUCING AND USING  
THE ADSORPTION MEDIA

**Confirmation No.:** Unknown

**Examiner:** Unknown

**Group Art Unit:** Unknown

**Attorney Docket No.:** B-379

**NOTICE OF EXPRESS MAILING**

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Person making Deposit: Mandy Tandon

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 or PTO/SB/08 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Information Disclosure Statement is not to be construed as a representation that a search has been made or an admission

that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicants herein that no other possible material information as defined in 37 C.F.R. § 1.56(b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
US - 4,576,969	03/18/1986	Echigo et al.
US - 5,591,346	01/07/1997	Etzel et al.
US - 6,136,199	10/24/2000	SenGupta et al.

Other Documents

CHANDA, et al., "Ligand Exchange Sorption of Arsenate and Arsenite Anions by Chelating Resins in Ferric Ion Form: I. Weak-Base Chelating Resin Dow XFS-4195," *Reactive Polymers*, 7 (1988) pp. 251-261.

CHANDA, et al., "Ligand Exchange Sorption of Arsenate and Arsenite Anions by Chelating Resins in Ferric Ion Form: II. Iminodiacetic Chelating Resin Chelex 100," *Reactive Polymers*, 8 (1988) pp. 85-95.

DeMARCO, et al., "Arsenic Removal Using a Polymeric/Inorganic Hybrid Sorbent," *Water Research* 37 (2003) pp. 164-176.

RAMANA, et al., "Removing Selenium(IV) and Arsenic (V) Oxyanions with Tailored Chelating Polymers, *Journal of Environmental Engineering*, Vol. 118, No. 5, Sept./Oct. 1992, pp. 755-775.

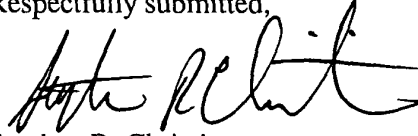
THIEME, Trevor, "Newsfiles, Like a Cup of Arsenic? Oh, You've Already Got Some" *Popular Science*, <http://www.popsci.com/popsci/science/article/0,12543,195220,00.html>, 2003, 2 pages.

Applicants offer to supply any explanation or discussion of the documents that the Examiner feels is necessary or desirable and which is requested.

**Attorney Docket No. B-379**

This Information Disclosure Statement is filed within three (3) months of the filing date of the above-identified application, and no certification pursuant to 37 C.F.R. § 1.97(c) or a fee pursuant to 37 C.F.R. § 1.17(p) is required.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Stephen R. Christian", written over a horizontal line.

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Date: *4 SEPT 2003*

Enclosures: Form PTO-1449 or PTO/SB/08  
Cited Documents

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Washington, DC 20231.**

Substitute for form 1449A/PTO		<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application Number	Not Yet Assigned
		Filing Date	
		First Named Inventor	Tranter et al.
		Group Art Unit	Unknown
		Examiner Name	Unknown
		Attorney Docket Number	B-370
(use as many sheets as necessary)			
Sheet	2	of	2

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
		CHANDA, et al., "Ligand Exchange Sorption of Arsenate and Arsenite Anions by Chelating Resins in Ferric Ion Form: I. Weak-Base Chelating Resin Dow XFS-4195," Reactive Polymers, 7 (1988) pp. 251-261.	
		CHANDA, et al., "Ligand Exchange Sorption of Arsenate and Arsenite Anions by Chelating Resins in Ferric Ion Form: II. Iminodiacetic Chelating Resin Chelex 100," Reactive Polymers, 8 (1988) pp. 85-95.	
		DeMARCO, et al., "Arsenic Removal Using a Polymeric/Inorganic Hybrid Sorbent," Water Research 37 (2003) pp. 164-176.	
		RAMANA, et al., "Removing Selenium(IV) and Arsenic (V) Oxyanions with Tailored Chelating Polymers, Journal of Environmental Engineering, Vol. 118, No. 5, Sept./Oct. 1992, pp. 755-775.	
		THIEME, Trevor, "Newsfiles. Like a Cup of Arsenic? Oh, You've Already Got Some" Popular Science, <a href="http://www.popsci.com/popsci/science/article/0,12543,195220,00.html">http://www.popsci.com/popsci/science/article/0,12543,195220,00.html</a> , 2003, 2 pages.	

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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